

- Workshop on Information Security Theory and Practices*, pp. 1–21, Springer, 2011.
- [103] A. Voulimeneas, D. Song, P. Larsen, M. Franz, and S. Volckaert, “dmvx: Secure and efficient multi-variant execution in a distributed setting,” in *Proceedings of the 14th European Workshop on Systems Security*, pp. 41–47, 2021.
  - [104] R. Tsoupidi, R. C. Lozano, and B. Baudry, “Constraint-based diversification of JOP gadgets,” *CoRR*, vol. abs/2111.09934, 2021.
  - [105] J. Cabrera Arteaga, O. Floros, O. Vera Perez, B. Baudry, and M. Monperrus, “Crow: code diversification for webassembly,” in *MADWeb, NDSS 2021*, 2021.
  - [106] J.-R. Falleri, F. Morandat, X. Blanc, M. Martinez, and M. Monperrus, “Fine-grained and accurate source code differencing,” in *Proceedings of the International Conference on Automated Software Engineering*, pp. 313–324, 2014.
  - [107] H. Bostani and V. Moonsamy, “Evadedroid: A practical evasion attack on machine learning for black-box android malware detection,” *CoRR*, vol. abs/2110.03301, 2021.
  - [108] D. Yao, X. Shu, L. Cheng, S. J. Stolfo, E. Bertino, and R. Sandhu, *Anomaly detection as a service: challenges, advances, and opportunities*. Springer, 2018.
  - [109] S. A. Hofmeyr, S. Forrest, and A. Somayaji, “Intrusion detection using sequences of system calls,” *J. Comput. Secur.*, vol. 6, p. 151–180, aug 1998.
  - [110] J. Cabrera Arteaga, M. Monperrus, and B. Baudry, “Scalable comparison of javascript v8 bytecode traces,” in *Proceedings of the 11th ACM SIGPLAN International Workshop on Virtual Machines and Intermediate Languages, VMIL 2019, (New York, NY, USA)*, p. 22–31, Association for Computing Machinery, 2019.
  - [111] Y. Fang, C. Huang, L. Liu, and M. Xue, “Research on malicious javascript detection technology based on lstm,” *IEEE Access*, vol. 6, pp. 59118–59125, 2018.
  - [112] E. Johnson, D. Thien, Y. Alhessi, S. Narayan, F. Brown, S. Lerner, T. McMullen, S. Savage, and D. Stefan, “, : Sfi safety for native-compiled wasm,” *Network and Distributed Systems Security (NDSS) Symposium*, 2021.
  - [113] C. Fred, “Computer viruses,” in *Proceedings of the 7th DoD/NBS Computer Security Conference 1984*, pp. 240–263, 1986.

- [114] R. L. Castro, C. Schmitt, and G. D. Rodosek, “Armed: How automatic malware modifications can evade static detection?,” in *2019 5th International Conference on Information Management (ICIM)*, pp. 20–27, 2019.
- [115] R. L. Castro, C. Schmitt, and G. Dreo, “Aimed: Evolving malware with genetic programming to evade detection,” in *2019 18th IEEE International Conference On Trust, Security And Privacy In Computing And Communications/13th IEEE International Conference On Big Data Science And Engineering (TrustCom/BigDataSE)*, pp. 240–247, IEEE, 2019.
- [116] H. Aghakhani, F. Gritti, F. Mecca, M. Lindorfer, S. Ortolani, D. Balzarotti, G. Vigna, and C. Kruegel, “When malware is packin’ heat; limits of machine learning classifiers based on static analysis features,” in *Proc. of NDSS*, 2020.
- [117] M. Chua and V. Balachandran, “Effectiveness of android obfuscation on evading anti-malware,” in *Proceedings of the Eighth ACM Conference on Data and Application Security and Privacy*, CODASPY ’18, Association for Computing Machinery, 2018.
- [118] P. Dasgupta and Z. Osman, “A Comparison of State-of-the-Art Techniques for Generating Adversarial Malware Binaries,” *arXiv e-prints*, Nov. 2021.
- [119] G. Lu and S. K. Debray, “Weaknesses in defenses against web-borne malware - (short paper),” in *Detection of Intrusions and Malware, and Vulnerability Assessment - 10th International Conference, DIMVA. Proceedings* (K. Rieck, P. Stewin, and J. Seifert, eds.), Lecture Notes in Computer Science, 2013.
- [120] M. Payer, “Embracing the new threat: Towards automatically self-diversifying malware,” 2014.
- [121] N. Loose, F. Mächtle, C. Pott, V. Bezsmertnyi, and T. Eisenbarth, “Madvex: Instrumentation-based Adversarial Attacks on Machine Learning Malware Detection,” *arXiv e-prints*, p. arXiv:2305.02559, May 2023.
- [122] R. Sasnauskas, Y. Chen, P. Collingbourne, J. Ketema, G. Lup, J. Taneja, and J. Regehr, “Souper: A Synthesizing Superoptimizer,” *arXiv preprint 1711.04422*, 2017.
- [123] J. Cabrera Arteaga, P. Laperdrix, M. Monperrus, and B. Baudry, “Multi-Variant Execution at the Edge,” *arXiv e-prints*, p. arXiv:2108.08125, Aug. 2021.
- [124] B. G. Ryder, “Constructing the call graph of a program,” *IEEE Transactions on Software Engineering*, no. 3, pp. 216–226, 1979.
- [125] S. Narayan, C. Disselkoen, D. Moghimi, S. Cauligi, E. Johnson, Z. Gang, A. Vahldiek-Oberwagner, R. Sahita, H. Shacham, D. Tullsen, *et al.*, “Swivel: Hardening webassembly against spectre,” in *USENIX Security Symposium*, 2021.